

What is claimed is:

Claim 1. A method for recycling synthetic wood materials, comprising a step wherein a sheathing board already used as a concrete form, consisting of a synthetic wood material with a moisture content of less than 15 wt %, wherein between 20 and 75 wt % of cellulose crushed materials, such as wood meal with particle diameters of between 50 and 200  $\mu$  m, and between 25 and 80 wt % of thermoplastic resin molding materials, are mixed, is the processing object, and this sheathing board is crushed into numerous coated particles,

and a step wherein a scraping impact force is applied to each individual coated particle previously mentioned, concrete and other incrustated materials encrusted on the previously mentioned coated particles are peeled or separated, and at the same time as the synthetic wood materials constituting the coated particles and the incrustated materials are classified, the particles of the synthetic wood materials are granulated and this granulated synthetic wood meal material which has been granulated is recycled.

Claim 2. A sheathing board for use in a concrete form having recycled synthetic wood material as raw materials, wherein synthetic wood materials recycled from a sheathing board made from synthetic wood materials which was already used as concrete form is used as raw materials, the synthetic wood materials has a moisture content of less than 15 wt %, and is a mixture of between 20 and 75 wt % of cellulose crushed materials, such as wood meal with particle diameters of between 50 and 200  $\mu$  m, and between 25 and 80 wt % of thermoplastic resin molding materials,

numerous hollow chambers are formed inside its thickness, extended in a defined direction, at a defined interval, forming a hollowness of between 20 and 70 %, and at the same time, the thickness of the walls delimiting the previously mentioned hollow chambers is greater than 2 mm.

Claim 3. A method for recycling synthetic wood materials of claim 1 including a step wherein the previously mentioned recycled granulated synthetic wood meal material is sifted, a

nd dust such as encrusted materials mixed among the granulated synthetic wood meal material  
s is eliminated.

Claim 4. A method for recycling synthetic wood materials of claim 1 comprising a step wherein the previously mentioned recycled granulated synthetic wood meal material is dried to a moisture content of less than 0.1wt %.

Claim 5. A method for recycling synthetic wood materials of claim 3 comprising a step wherein the previously mentioned recycled granulated synthetic wood meal material is dried to a moisture content of less than 0.1wt %.

Claim 6. A sheathing board for use in concrete form having recycled synthetic wood materials as raw materials, wherein synthetic wood materials recycled from a sheathing board made from synthetic wood material which was already used as a concrete form is used as raw materials, the synthetic wood material has a moisture content of less than 15 wt %, and is a mixture of between 20 and 75 wt % of cellulose crushed materials, such as wood meal with particle diameters of between 50 and 200  $\mu$  m, and between 25 and 80 wt % of thermoplastic resin molding materials.